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EXAMINER	
MILIA, MARK R	

ART UNIT	PAPER NUMBER
2625	

NOTIFICATION DATE	DELIVERY MODE
05/26/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)	
	10/635,479	WIECHERS, ALEJANDRO	
	Examiner	Art Unit	
	Mark R. Milia	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11 March 2009*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-4 and 10-20* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-4,10-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

1. Applicant's amendment was received on 3/11/09 and has been entered and made of record. Currently, claims 1-4 and 10-20 are pending.

Response to Arguments

2. Applicant's arguments with respect to claims 1, 10, and 11 have been considered but are moot in view of the current amendment to the claims and therefore a new ground(s) of rejection will be made.

3. The arguments are directed to the newly amended claim elements. However, the Applicant argues that the amended claims have new limitations regarding "**dynamically and automatically creating a document profile for the document file based on specific requirements defined at the designer location and particular capabilities of devices at the print service provider location**, " etc. and "supported of paragraphs [0021 - [0023] of the specification." The Examiner has closely reviewed the paragraphs cited by the Applicant. The limitations (features) which Applicant has cited consist of the creation of a job ticked with certain default values and selections, the type of print job (brochure, etc.), the number of copies, size of the document in pages, any special finishing instructions, types of binding, packaging instruction, shipping

instructions and billing instructions. Also as disclosed in paragraph [0023] the designer is able to use a browser to see what printers and PSPs are available to print and produce the type of job the designer has created. The designer then selects a document profile in order to ensure that the designer created file will properly print at the selected PSP location. The Examiner is unable to find the **"dynamically and automatically creating a document profile..."**.

Specification

4. The amendment filed 3/11/09 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: "dynamically and automatically creating a document profile...". Applicant is required to cancel the new matter in the reply to this Office Action.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

6. Claims 1-4 and 10-20 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. "**dynamically and automatically creating a document profile…**".

Claim Rejections - 35 USC § 103

7. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

8. Claims 1-2, 4, 10-12, and 14-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Roztocil (US 2001/0044868) in view of Schorr (US 6,608,697), Yu (US 6,988,839) and Kemp (US 2001/0078160).

Regarding claim 1, Roztocil discloses a method of managing workflow in a commercial printing environment including a designer location and a print service provider location, said method comprising: establishing with a digital printer a closed-loop communication link between the designer location and the print service provider location (see Fig. 1 and paragraph 22, reference states that a digital print shop contains computer workstations **114** and **116**, servers **118** and **120**, and output devices **122** connected via network **112**; network **112** may include a plurality of networks types, such as wired, wireless, LAN, Ethernet, or WAN (Internet); print jobs are received and

manipulated using computers **114** and **116** and as such makes up the designer location, reference also states that computers **114** and **116** maybe combined into one workstation; print server **120** and output devices **122** make up the print service provider location, therefore, communication between the computers **114** and **116** and server **120** and output devices **122** is established based on the output device (printer) selected by the user), sending from the digital printer current configuration information stored within memory of the digital printer to the designer location via the closed-loop communication link (see paragraphs 23, 32 lines 22-26, 45 lines 1-6, 46 lines 1-16, and 52), creating a press ready file at the designer location using the current configuration information received from the digital printer via the closed-loop communication link (see Fig. 1 and paragraphs 23, 25, and 27-28, reference states that output device availability and capabilities provided to a user and are utilized in print job fulfillment, and also states that "print ready" files are created at the designer location, computers **114** and **116**, during job preparation which takes output device attributes into consideration), submitting the press ready file from the designer location to the print service provider location via the closed-loop communication link (see paragraphs 22 lines 8-13, 25 lines 9-11, 29, and 32 lines 22-26) and receiving at the print service provider location a printed output of the press ready file from the digital printer (see Fig. 1 and paragraphs 29-30, 33 lines 2-4, 45-48, and 56).

Roztocil does not disclose expressly dynamically and automatically creating a document profile for the document file based on specific requirements defined at the designer location and particular capabilities of devices at the print service provider

location, automatically adjusting characteristics of the document file based on the dynamically created document profile, automatically checking for common errors associated during a prepress stage by automatically pre-flighting the document to be printed, automatically revising incorrect printing instructions and adding missing printing instructions, automatically providing a remote proofing function for a customer of the document to be printed and automatically tracking the printing of the document by continuously monitoring and updating a status of the document to be printed, and packaging the printed output at the print service provider location using an automated packaging device.

Schorr discloses automatically adjusting characteristics of the document file based on the dynamically created document profile (see column 10 lines 6-30 and 51-61 and column 11 line 40-column 13 line 13, print vendor **117** can automatically correct errors that are not deemed "fatal", thereby adjusting characteristics of the document file), automatically checking for common errors associated during a prepress stage by automatically pre-flighting the document to be printed (see Fig. 1A **101** and column 8 lines 6-18), automatically revising incorrect printing instructions and adding missing printing instructions (see column 8 lines 15-18, print vendor **117** corrects errors), automatically providing a remote proofing function for a customer of the document to be printed and automatically tracking the printing of the document by continuously monitoring and updating a status of the document to be printed (see column 8 line 19-column 9 line 53 and column 12 lines 33-50, a customer can use a web page interface to track the progress of the print job along with associated errors or lack thereof).

Yu discloses dynamically and automatically creating a document profile for the document file based on specific requirements defined at the designer location and particular capabilities of devices at the print service provider location (see column 5 lines 11-19 and column 6 lines 20-33, the printing interface is dynamically updated to reflect the current characteristics of the selected printing device, such as a change in media type, in which the interface is automatically updated to reflect the change).

Kemp discloses packaging the printed output at the print service provider location using an automated packaging device (see Fig. 9 and paragraphs 41 and 64, reference states that service provider **2** may include equipment for various finishing processes, such as a specific type of binding which is a type of packaging and it can be seen that the equipment is meant to automatically finish (bind) the document. The reference further states after printing and finishing are completed that a user can have the document(s) delivered or held for pick-up).

Regarding claim 10, Roztocil discloses a device for use with a design-to-press workflow in a commercial printing environment including a designer location, a print service provider location and a closed-loop communication link between them, said device comprising: a memory for storing current configuration information about the device (see paragraphs 23, 32 lines 22-26, 45 lines 1-6, 46 lines 1-16, and 52) and a communication module for connecting to the closed-loop communication link to communicate the current configuration information to the designer location and the print service provider location for consideration in design and preflight stages of the workflow (see Fig. 1 and paragraphs 23, 25, 27-28, 32 lines 22-26, 45 lines 1-6, 46 lines 1-16,

and 52, reference states that output device availability and capabilities provided to a user and are utilized in print job fulfillment, and also states that "print ready" files are created at the designer location, computers **114** and **116**, during job preparation which takes output device attributes into consideration).

Roztocil does not disclose expressly a document profile configured to be dynamically and automatically created for the document file based on specific requirements defined at the designer location and particular capabilities of devices at the print service provider location, wherein characteristics of the document file are automatically adjusted based on the dynamically created document profile, a preflight module configured to automatically check for common errors associated during a prepress stage by automatically pre-flighting the document to be printed, a revision module configured to automatically revise incorrect printing instructions and add missing printing instructions, a remote proofing module configured to automatically provide a remote proofing function for a customer of the document to be printed and configured to automatically track the printing of the document by continuously monitoring and updating a status of the document to be printed, and an automated packaging device.

Schorr discloses wherein characteristics of the document file are automatically adjusted based on the dynamically created document profile (see column 10 lines 6-30 and 51-61 and column 11 line 40-column 13 line 13, print vendor **117** can automatically correct errors that are not deemed "fatal", thereby adjusting characteristics of the document file), a preflight module configured to automatically check for common errors associated during a prepress stage by automatically pre-flighting the document to be

printed (see Fig. 1A **101** and column 8 lines 6-18), a revision module configured to automatically revise incorrect printing instructions and add missing printing instructions (see column 8 lines 15-18, print vendor **117** corrects errors), a remote proofing module configured to automatically provide a remote proofing function for a customer of the document to be printed and configured to automatically track the printing of the document by continuously monitoring and updating a status of the document to be printed (see column 8 line 19-column 9 line 53 and column 12 lines 33-50, a customer can use a web page interface to track the progress of the print job along with associated errors or lack thereof).

Yu discloses a document profile configured to be dynamically and automatically created for the document file based on specific requirements defined at the designer location and particular capabilities of devices at the print service provider location (see column 5 lines 11-19 and column 6 lines 20-33, the printing interface is dynamically updated to reflect the current characteristics of the selected printing device, such as a change in media type, in which the interface is automatically updated to reflect the change).

Kemp discloses packaging the printed output at the print service provider location using an automated packaging device (see Fig. 9 and paragraphs 41 and 64, reference states that service provider **2** may include equipment for various finishing processes, such as a specific type of binding which is a type of packaging and it can be seen that the equipment is meant to automatically finish (bind) the document. The reference

further states after printing and finishing are completed that a user can have the document(s) delivered or held for pick-up).

Regarding claim 11, Roztocil discloses a system for managing workflow in a commercial printing environment, said system comprising: a digital printer comprising memory that stores current configuration information about the digital printer and a communications module that is used to communicate with other devices over a network (see paragraphs 23, 32 lines 22-26, 45 lines 1-6, 46 lines 1-16, and 52), wherein the digital printer is configured to: establish a closed-loop communication link with a designer location at which print jobs are created and with a print service provider location at which the print jobs are processed (see Fig. 1 and paragraph 22, reference states that a digital print shop contains computer workstations **114** and **116**, servers **118** and **120**, and output devices **122** connected via network **112**; network **112** may include a plurality of networks types, such as wired, wireless, LAN, Ethernet, or WAN (Internet); print jobs are received and manipulated using computers **114** and **116** and as such makes up the designer location, reference also states that computers **114** and **116** maybe combined into one workstation; print server **120** and output devices **122** make up the print service provider location, therefore, communication between the computers **114** and **116** and server **120** and output devices **122** is established based on the output device (printer) selected by the user), send the current configuration information stored within digital printer memory to the designer location via the closed-loop communication link (see paragraphs 23, 32 lines 22-26, 45 lines 1-6, 46 lines 1-16, and 52), and generate printed outputs associated with the print jobs (see paragraphs 22 lines 8-13,

25 lines 9-11, 29, and 32 lines 22-26), and a device comprising memory that stores current configuration information about the device and a communications module that is used to communicate with other devices over a network (see paragraphs 23, 32 lines 22-26, 45 lines 1-6, 46 lines 1-16, and 52), wherein the digital printer is configured to: communicate over the closed-loop communication link with the designer location and with the print service provider location, send the current configuration information stored within the device memory to the designer location via the closed-loop communication link (see paragraphs 23, 32 lines 22-26, 45 lines 1-6, 46 lines 1-16, and 52, reference states that output device availability and capabilities provided to a user and are utilized in print job fulfillment, and also states that "print ready" files are created at the designer location, computers **114** and **116**, during job preparation which takes output device attributes into consideration).

Roztocil does not disclose expressly a document profile configured to be dynamically and automatically created for the document file based on specific requirements defined at the designer location and particular capabilities of devices at the print service provider location, wherein characteristics of the document file are automatically adjusted based on the dynamically created document profile, a job ticket configured to be created at the designer location that specifies production devices of the print service provider to be used to process the print job and processing instructions for the print service provider location, a preflighting device in communication with the digital printer and comprising a revision module and a remote proofing module configured to: automatically check for common errors associated during a prepress stage by

automatically pre-flighting the document to be printed, automatically revise incorrect printing instructions and add missing printing instructions, automatically provide a remote proofing function for a customer of the document to be printed and configured to automatically track the printing of the document by continuously monitoring and updating a status of the document to be printed, and an automated packaging device to package the printed outputs generated by the digital printer according to the instructions associated with the print job.

Schorr discloses a preflighting device in communication with the digital printer and comprising a revision module and a remote proofing module configured to: automatically check for common errors associated during a prepress stage by automatically pre-flighting the document to be printed (see Fig. 1A **101** and column 8 lines 6-18), automatically revise incorrect printing instructions and add missing printing instructions (see column 8 lines 15-18, print vendor **117** corrects errors), automatically provide a remote proofing function for a customer of the document to be printed and configured to automatically track the printing of the document by continuously monitoring and updating a status of the document to be printed (see column 8 line 19-column 9 line 53 and column 12 lines 33-50, a customer can use a web page interface to track the progress of the print job along with associated errors or lack thereof).

Yu discloses a document profile configured to be dynamically and automatically created for the document file based on specific requirements defined at the designer location and particular capabilities of devices at the print service provider location, wherein characteristics of the document file are automatically adjusted based on the

dynamically created document profile and a job ticket configured to be created at the designer location that specifies production devices of the print service provider to be used to process the print job and processing instructions for the print service provider location (see column 5 lines 11-19 and column 6 lines 20-33, the printing interface is dynamically updated to reflect the current characteristics of the selected printing device, such as a change in media type, in which the interface is automatically updated to reflect the change).

Kemp discloses an automated packaging device to package the printed outputs generated by the digital printer according to the instructions associated with the print job (see paragraphs 40-41 and 64, reference states that service provider **2** may include equipment for various finishing processes, such as a specific type of binding which is a type of packaging and it can be seen that the equipment is meant to automatically finish (bind) the document. The reference further states after printing and finishing are completed that a user can have the document(s) delivered or held for pick-up).

Roztocil, Schorr, Yu, & Kemp are combinable because they are from the same field of endeavor, printing based on printer capabilities.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the dynamic and automatic creation of a document profile, as described by Yu, the pre-flight automatic checking and correcting of common errors for a document to be printed, as described by Schorr, and the packaging device, as described by Kemp, with the system of Roztocil.

The suggestion/motivation for doing so would have been to reduce the need to reprint a document due to an error than could have been easily corrected prior to actual printing, thereby saving printer resources and increasing system efficiency, and to enable a user to receive his/her document(s) when, how, and where they desire to increase overall system efficiency and enhance user operability.

Therefore, it would have been obvious to combine Schorr, Yu, and Kemp with Roztocil to obtain the invention as specified in claims 1, 10, and 11.

Regarding claims 2 and 12, Kemp further discloses wherein the automated packaging device is a Design-to-Ship enabled packaging device that also forms part of the closed-loop communication link (see Fig. 9 and paragraphs 41 and 64).

Regarding claim 4, Roztocil further discloses verifying at the print service provider location that the press ready file will be produced at the print service provider location as instructed by information contained in the press ready file and, if not, correcting the press ready file to ensure production substantially as designed (see paragraphs 29-30, 45-48, and 56).

Regarding claim 14, Kemp further discloses wherein the digital printer sending current configuration information comprises the digital printer sending a table containing the current configuration information to the designer location (see paragraph 84).

Regarding claim 15, Roztocil further discloses wherein creating a press ready file at the designer location comprises adjusting at the designer location a print job to match

capabilities of the digital printer relative to the current configuration information for the printing device (see Fig. 1 and paragraphs 29-30, 33 lines 2-74, 45-48, and 56).

Regarding claim 16, Roztocil further discloses the designer location updating a job ticket associated with the print job (see Fig. 1 and paragraphs 29-30, 33 lines 2-74, 45-48, and 56).

Regarding claim 17, Roztocil further discloses a preflight module of the print service provider location receiving the press ready file, reading the updated job ticket, requesting from the digital printer the current configuration information via the closed-loop communication link, and determining whether or not the digital printer is capable of properly processing the print job by comparing information contained in the updated job ticket and the current configuration information of the digital printer (see Fig. 1 and paragraphs 29-30, 33 lines 2-74, 45-48, and 56).

Regarding claim 18, Roztocil further discloses the preflight module providing the print job and updated job ticket to the digital printer (see paragraphs 46-48).

Regarding claim 19, Roztocil further discloses the digital printer reading the updated job ticket and verifying that the digital printer can process the print job according to instructions contained in the updated job ticket (see paragraphs 46-48).

Regarding claim 20, Roztocil further discloses the digital printer providing updates as to printing status to the designer location and the print service provider location via the closed-loop communication link (see paragraph 45 lines 1-6).

9. Claims 3 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Roztocil, Schorr, Yu, and Kemp.

Roztocil, Schorr, Yu, and Kemp do not disclose expressly wherein the automated packaging device is assigned a unique identifier.

However, it is well known in the art for printers, finishing/packaging devices to have unique identifiers, such as IP addresses, URLs, MAC addresses, etc. to allow the device to be identified and allow data to be easily transferred to and from the device.

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to assign a unique identifier to the automated packaging device of Kemp because it would allow the device to be easily and accurately identified and also allow data to be easily and accurately transferred to the device.

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark R. Milia whose telephone number is (571)272-7408. The examiner can normally be reached M-F 8:00am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached at (571) 272-7437. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mark R. Milia
Examiner
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